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wherein, R¹, which may be the same or different when two or more R¹ groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R², which may be the same or different when two or more R² groups are present, represents an alkyl group having 1 to 5 carbon atoms or an aryl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2.

3. (Amended) The coating composition according to claim 1, wherein said component (a) is

(a-1) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein n is 1 or 2, and at least one of R¹ groups is an epoxy group-containing substituted derivative, a hydrolyzate of said organosilane and a condensate of said organosilane; and

B²
(a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein no epoxy group is contained in R¹, a hydrolyzate of said organosilane and a condensate of said organosilane.

4. (Amended) The coating composition according to claim 1, wherein said component (b) has a group represented by general formula - (RO)_p - (R' O)_q - R'' wherein R and R', which may be the same or different, represent alkyl groups each having 1 to 5 carbon atoms, R'' represents a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, and p+q is from 2 to 30, and a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group.

5. (Amended) A method for producing a coating composition which comprises hydrolyzing and/or condensing:

(a) an organosilane represented by the following general formula (1); and

(b) an organosiloxane oligomer having a weight average molecular weight of 300 to 100,000;

in the presence of (c') an aqueous dispersion of a photocatalyst having a pH of 3 to 9 and (d') an organic solvent in which the content of an organic solvent having a surface tension at 20°C of more than 260 $\mu\text{N}/\text{cm}$ is 20% by weight or less based on the whole organic solvent:



wherein, R^1 , which maybe the same or different when two or more R^1 groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R^2 , which may be the same or different when two or more R^2 groups are present, represents an alkyl group having 1 to 5 carbon atoms or an aryl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2.

6. (Amended) The method according to claim 5, wherein said component (a) is

(a-1) at least one component selected from the 15 group consisting of an organosilane represented by general formula (1) wherein n is 1 or 2, and at least one of R^1 groups is an epoxy group-containing substituted derivative, a hydrolyzate of said organosilane and a condensate of said organosilane; or

(a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein no epoxy group is contained in R^1 , a hydrolyzate of said organosilane and a condensate of said organosilane.

7. (Amended) A cured product obtained by coating and drying a coating composition comprising:

(a) at least one component selected from the group consisting of an organosilane represented by the following general formula (1), a hydrolyzate of said organosilane and a condensates of said organosilane;

(b) an organosiloxane oligomer having a weight average molecular weight of 300 to 100,000;

(c) a photocatalyst; and

(d') an organic solvent having a surface tension at 20°C of 260 μN/cm or less:



wherein, R^1 , which may be the same or different when two or more R^1 groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R^2 , which may be the same or different when two or more R^2 groups are present, represents an alkyl group having 1 to 5 carbon atoms or an aryl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2.

8. (Amended) A cured product having a dry coating layer comprising anyone of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition according to claim 1:

B² (i) An undercoating composition containing said components (a) and (e), wherein (e) is a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group:

(ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

(iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).

9. (Amended) A coating film having a dry coating layer comprising any one of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition according to claim 1:

(i) An undercoating composition containing said components (a) and (e), wherein (e) is a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group:

(ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

B² (iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).

Please add the following new claims:

10. (New) The coating composition according to claim 2, wherein said component (a) is

(a-1) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein n is 1 or 2, and at least one of R¹ groups is an epoxy group-containing substituted derivative, a hydrolyzate of said organosilane and a condensate of said organosilane; and

(a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein no epoxy group is contained in R¹, a hydrolyzate of said organosilane and a condensate of said organosilane.

B³ 11. (New) The coating composition according to claim 2, wherein said component (b) has a group represented by general formula - (RO)_p - (R' O)_q - R'' wherein R and R', which may be the same or different, represent alkyl groups each having 1 to 5 carbon atoms, R'' represents a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, and p+q is from 2 to 30, and a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group.

12. (New) The coating composition according to claim 1, wherein said component (a) is selected from the group consisting of methyltrimethoxysilane, dimethyldimethoxysilane, and γ -glycidoxypentyltrimethoxysilane.

13. (New) The coating composition according to claim 1, wherein said component (b) is selected from the group consisting of an end alkoxyethyl group-containing trifunctional siloxane oligomer having a weight average molecular weight ranging from 1000-3000, and an end alkoxyethyl group/poly(oxyethylene/oxypropylene) group-containing dimethylsiloxane oligomer having a weight average molecular weight of 10,000.

14. (New) The coating composition according to claim 1, wherein said component (d') is isopropyl alcohol.

15. (New) The method according to claim 5, wherein said component (a) is selected from the group consisting of methyltrimethoxysilane, dimethyldimethoxysilane, and γ -glycidoxypolytrimethoxysilane.

16. (New) The method according to claim 5, wherein said component (b) is selected from the group consisting of an end alkoxyethyl group-containing trifunctional siloxane oligomer having a weight average molecular weight ranging from 1000-3000, and an end alkoxyethyl group/poly(oxyethylene/oxypropylene) group-containing dimethylsiloxane oligomer having a weight average molecular weight of 10,000.

17. (New) The method according to claim 5, wherein said component (d') is isopropyl alcohol.

18. (New) A cured product obtained by coating and drying a composition produced by the method of claim 5.

19. (New) A cured product having a dry coating layer comprising any one of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition obtained by the method of claim 5:

(i) An undercoating composition containing said components (a) and (e), wherein (e) is a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group;

(ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

(iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).

20. (New) A coating film having a dry coating layer comprising any one of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition obtained by the method of claim 5:

(i) An undercoating composition containing said components (a) and (e), wherein (e) is a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group;

B³ (ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

(iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).

21. (New) A method for producing a coating composition which comprises hydrolyzing and/or condensing:

(a) an organosilane represented by the following general formula (1); and

(b) an organosiloxane oligomer having a weight average molecular weight of 300 to 100,000;

in the presence of (c') an aqueous dispersion of a photocatalyst having a pH of 3 to 9 and (d') an organic solvent in which the content of an organic solvent having a surface tension at 20°C of more than 260 $\mu\text{N/cm}$ is 20% by weight or less based on the whole organic solvent:



wherein, R^1 , which maybe the same or different when two or more R^1 groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R^2 , which may be the same or different when two or more R^2 groups are present, represents an alkyl group having 1 to 5 carbon atoms or an aryl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2;

and subsequently adding

(e) a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group.

22. (New) The method according to claim 21, wherein said component (a) is

(a-1) at least one component selected from the 15 group consisting of an organosilane represented by general formula (1) wherein n is 1 or 2, and at least one of R^1 groups is an epoxy group-containing substituted derivative, a hydrolyzate of said organosilane and a condensate of said organosilane; or

(a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) wherein no epoxy group is contained in R^1 , a hydrolyzate of said organosilane and a condensate of said organosilane.

23. (New) The method according to claim 21, wherein said component (a) is selected from the group consisting of methyltrimethoxysilane, dimethyldimethoxysilane, and γ -glycidoxypentyltrimethoxysilane.

24. (New) The method according to claim 21, wherein said component (b) is selected from the group consisting of an end alkoxysilyl group-containing trifunctional siloxane oligomer having a weight average molecular weight ranging from 1000-3000, and an end alkoxysilyl group/poly(oxyethylene/oxypropylene) group-containing dimethylsiloxane oligomer having a weight average molecular weight of 10,000.

25. (New) The method according to claim 21, wherein said component (d') is isopropyl alcohol.

26. (New) A cured product obtained by coating and drying a composition produced by the method of claim 21.

27. (New) A cured product having a dry coating layer comprising anyone of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition obtained by the method of claim 21:

(i) An undercoating composition containing said components (a) and (e):

(ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

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(iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).

28. (New) A coating film having a dry coating layer comprising any one of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition obtained by the method of claim 21:

(i) An undercoating composition containing said components (a) and (e):

(ii) An undercoating composition containing said components (a) and (e), and (f), wherein (f) is colloidal silica and/or colloidal alumina;

(iii) An undercoating composition containing said components (a) and (e), and (g), wherein (g) is colloidal cerium oxide and/or colloidal zinc oxide; and

(iv) An undercoating composition containing said components (a), (e), (f) and (g).